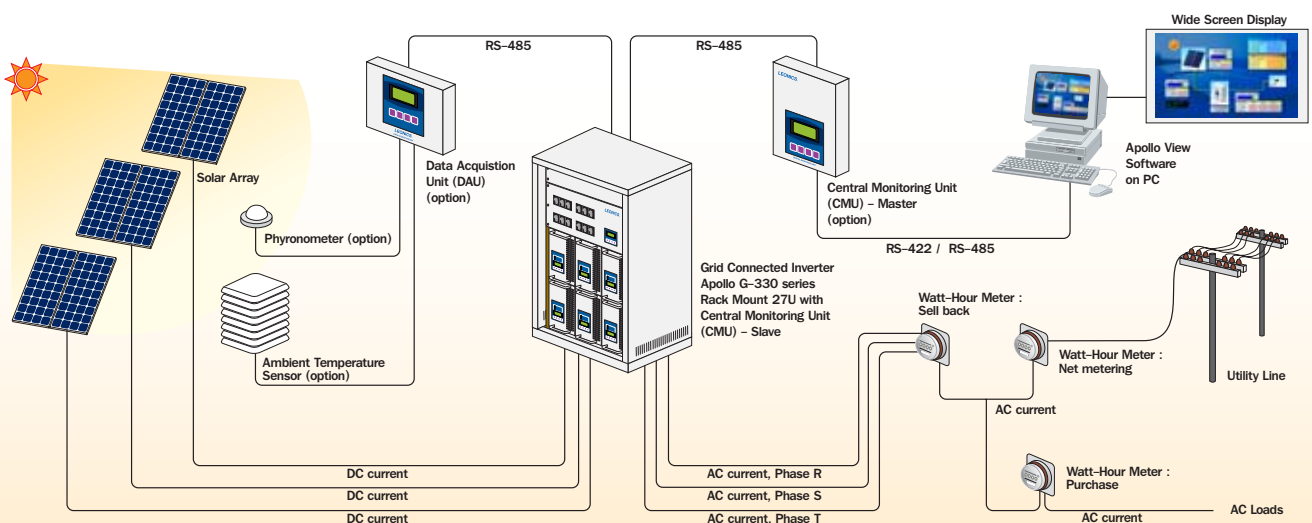


## APOLLO G-330

### THREE PHASE GRID CONNECTED INVERTER



- 8/16 bit microprocessor
- Advanced IGBT technology
- Fully automatic self-START in the morning and STOP in the evening
- Special design for using at high grid fluctuation area
- Built-in Central Monitoring Unit (CMU) for data monitoring and Optional Central Monitoring Unit (CMU) for ApolloView Software
- Optional Data Acquisition Unit (DAU) for temperature and solar radiation
- Operation with battery bank (option)
- Rack mount 27U (horizontal and vertical rack) and Rack mount 45U are available.
- Single/Three phase configuration
- ISO 9001 : 2000 and ISO 14001 certified
- Pure sine wave power output
- Low harmonic distortion (less than 4%)
- High efficiency more than 91%
- Main and solar generator are galvanically isolated
- Maximum Power Point Tracking (MPPT) circuit is included



With a Grid Connected Solar Power System, clean solar power takes the place of grid power when the sun is shining, even to the point of selling a surplus back to grid. When the sun is not shining or when extra power is needed, electricity can be automatically purchased from the grid. Systems for residences, offices, stores or industrial factories can

### GRID CONNECTED POWER SYSTEM

### SPECIFICATIONS

MODEL		G-331	G-332	G-333	G-334	G-331M2	G-332M2	G-333M2	G-334M2
RATED POWER		10.5 kW	21 kW	31.5 kW	42 kW	12.6 kW	25.2 kW	37.8 kW	50.4 kW
SYSTEM	Number of Inverter	3	6	9	12	3	6	9	12
	Configuration	Multi-inverter, Multi-PV circuit							
	Controller	Intelligent with microcomputer controlled							
	Technology	High frequency switching, IGBT technology							
DC INPUT (EACH)	Nominal voltage	230 V							
	Voltage range	165 - 300 V							
	Maximum allowable voltage	350 V							
3 PHASE GRID LINE (EACH PHASE)	Voltage range	Three single phase 220 V $\pm$ 15% (R-N, S-N, T-N)							
	Frequency	50 / 60 Hz $\pm$ 6% (auto sensing)							
AC OUTPUT	Power factor	more than 0.98							
	Total harmonic distortion	total less than 4%, each less than 3 %							
	Current limiting	110 %							
ISOLATION	Galvanic isolation	yes							
EFFICIENCY CONTROL	Peak efficiency	more than 91%							
PROTECTION	Input / Output	Over voltage / Under voltage (AC & DC), Frequency (AC)							
	Islanding	Voltage, phase shift detection and action islanding							
	Over heat	Auto shutdown and auto restart							
	Surge energy dissipation	3 x 140 Joules	6 x 140 Joules	9 x 140 Joules	12 x 140 Joules	3 x 140 Joules	6 x 140 Joules	9 x 140 Joules	12 x 140 Joules
INDICATOR	LED	Line, PV, Fault							
	LCD display	DC / AC voltage, Current, Watt, Today kWh, Accumulated kWh, Calendar, Clock, Condition setting, Fault							
	Central Monitoring Unit (CMU)	PV voltage, Current and Power, Voltage, Current and Frequency of each phase, Accumulated kWh, Energy today, Energy all, Inverter efficiency, Clock, Condition setting, PV efficiency (option), Solar radiation (option),							
AUDIABLE ALARM	Multitple tone sound with reset for silence	Mains failure, Inverter fault (Inhibitible)							
ACOUSTIC NOISE	At 1 metre	less than 50 dBA							
ENVIRONMENT	Temperature	0 - 45°C							
	Relative humidity	0 - 95 % (Non - condensing)							
DIMENSION (W x H x D)	Vertical rack (approximate in cm.)	75 x 137 x 80 (25" 27U)		75 x 218 x 80 (25" 45U)		75 x 137 x 80 (25" 27U)		75 x 218 x 80 (25" 45U)	
	Horizontal rack* (approximate in cm.)	A x 1 unit	B x 1 unit	A x 3 unit or [(A x 1) + (B x 1)]	B x 2 unit	A x 1 unit	B x 1 unit	A x 3 unit or [(A x 1) + (B x 1)]	B x 2 unit
WEIGHT	in kg.	depend on model							
DESIGN REGULATION		UL 1741, IEEE-929:2000							

\* Horizontal Rack Dimension : A = 53.4 x 123 x 60 cm. (19" 25U), B = 53.4 x 174 x 80 (19" 39U)

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.

Authorized Distributor:

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